

INTRODUCING THE

# BANANA PINGER (10kHz)

Proven to reduce marine mammal bycatch

**FISHTEK**  
MARINE



TECHNOLOGY THAT WORKS FOR FISHERMEN AND THE ENVIRONMENT

## A robust device with advanced acoustics

Proven to reduce bycatch and not effect operations



### Fit and Forget

Proven to not interfere with fishing operations.



### NOAA Fisheries

Complies with Harbor Porpoise Take Reduction Plan.



### Durable

Depth rated to 1000m.



### Catch Safe

Proven to not affect catch rate.



### Proven Design

Millions of hours use in operational fisheries.



### High Quality

Endorsed by fishers globally as market leader.



### Highly Effective

Proven to reduce marine mammal bycatch.



### Legislation Compliant

Compliant with EU, US and Norwegian legislation.

FIND OUT MORE AT

**[fishtekmarine.com](https://fishtekmarine.com)**



# BANANA PINGER (10kHz)

## TECHNICAL SPECIFICATIONS

|                                    |                                    |
|------------------------------------|------------------------------------|
| LED light indication functionality | Yes                                |
| Auto immersive switch              | Yes                                |
| Depth rating                       | 1000 meters                        |
| Battery lifetime                   | >4000 hours continual (~6 months)  |
| Battery type                       | Replaceable alkaline c-cell (LR14) |
| In water weight                    | 37 grams                           |
| Dimensions                         | 185mm x 52mm x 42mm                |
| Warranty                           | 12 month manufacturer's warranty   |

## ACOUSTIC CHARACTERISTICS

|                                        |                    |
|----------------------------------------|--------------------|
| Frequency                              | 10kHz              |
| Signal strength - SPL (re 1μPa at 1 m) | 135 dB ±5dB        |
| Signal duration                        | 300 milliseconds   |
| Ping frequency                         | 4 seconds          |
| Recommended pinger spacing             | Maximum 100 meters |

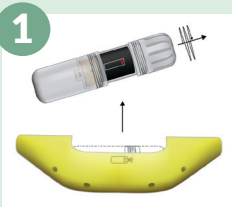


Compliant with EU, US and Norwegian legislation.

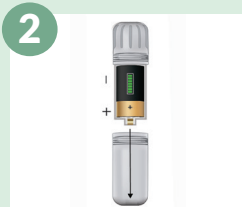


On being submerged, pinger battery indication light automatically turns off.

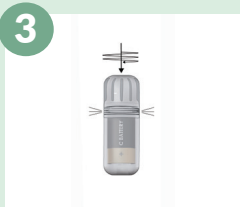
## Battery Fitting



Remove the Pinger from the rubber carrier and unscrew the lid.



Insert the battery ensuring the polarity is correct.



Replace the Pinger lid and tighten down fully, ensuring the O-Ring becomes compressed.



Insert the flashing end of the Pinger into the rubber carrier first, ensuring the correct orientation of the carrier.

WATCH THE VIDEO ON OUR WEBSITE

## Checking the Battery

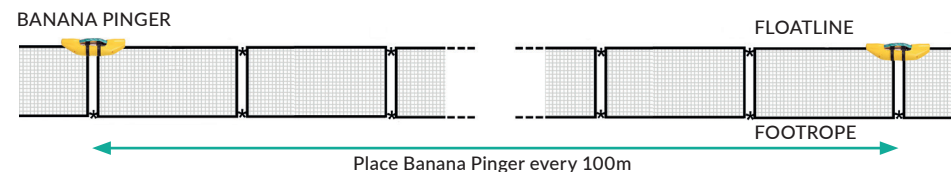
Checking the battery is quick and easy: look at the end of the carrier with the LED viewing hole and observe the number of flashes.

| LED Flashes | Battery Check    |
|-------------|------------------|
| ●●●●●       | 100%             |
| ●●●●        | 70%              |
| ●●●         | 30%              |
| ●●          | Replace battery! |

## Recommended Attachment Method

The method below is a suggestion. If you don't consider it workable for your fishing operation, then please feel free to try an alternative method.

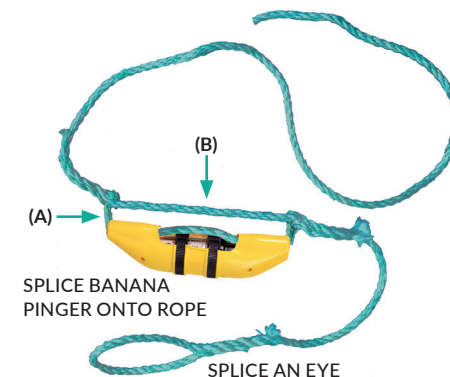
- 1 Place Banana Pinger every 100 metres of net ensuring at least x2 pingers for any given net.** Connect pinger/pingers ideally between net panel joins on the floatline.



- 2 Attach Banana Pinger to joining rope**  
Recommended joining rope is 1.8 meters of 8mm polypropylene rope.

Rope threaded through the yellow banana (A) must be LONGER than the rope passing above pinger (B).

This will ensure that the pinger is not under tension when hauling. See stage 3.



- 3 Connect Banana Pinger between net panel joins on the floatline**  
Rig in such a way that hauling forces are placed through the ropes above the pinger. When hauling, the rope threaded through the pinger should not be put under tension.



Pinger allowed to move freely even when floatline is under tension.

**FISHTEK**  
MARINE

Unit 1a Webbers Way, Dartington, Devon, TQ9 6JY, United Kingdom  
Tel: +44 (0)1803 225253 Email: info@fishtekmarine.com